

M/043/0019  
 Leslie  
 Wayne  
 6375

12-8-14

Bonding Calculations		
Direct Costs		
Subtotal Demolition and Removal	\$52,411.49	
Subtotal Backfilling and Grading	\$65,808.48	
Subtotal Revegetation	\$63,000.00	
Direct Costs	\$181,219.97	
Indirect Costs		
Mob/Demob	\$18,122.00	10.0%
Contingency	\$9,061.00	5.0%
Engineering Redesign	\$4,530.00	2.5%
Main Office Expense	\$12,323.00	6.8%
Project Management Fee	\$4,530.00	2.5%
Subtotal Indirect Costs	\$48,566.00	26.8%
<b>Total Cost 2010</b>	<b>\$229,785.97</b>	
Number of years		5
Escalation factor		0.005
Escalation	\$5,802.00	
Reclamation Cost Escalated	\$235,587.97	
Bond Amount (rounded to nearest \$1,000)	\$236,000.00	
<b>2013 Dollars</b>		
Posted Bond		



Difference Between Cost Estimate and Bond	-\$236,000.00	
Percent Difference		



**Closure Cost Estimate  
Cost Summary**

Project Name: Reclamation Financial Guarantee  
Project Date: 09/26/2014  
Model Version: Version 1.4.1  
File Name: UTU70687\_FinancialGuarantee\_NelsonSS.xlsm

A. Earthwork/Recontouring									
	Labor <sup>(1)</sup>	Equipment <sup>(2)</sup>	Materials	Total					
Excavation	\$0	\$0	\$0	\$0					
Excavation Roads & Drill Pads	\$0	\$0	\$0	\$0					
Roads	\$3,857	\$11,568	\$0	\$15,425					
Well Abandonment	\$0	\$0	\$0	\$0					
Pits	\$0	\$0	N/A	\$0					
Quarries & Borrow Areas	\$19,893	\$52,580	\$0	\$72,463					
Underground Openings	\$0	\$0	\$0	\$0					
Process Ponds	\$0	\$0	\$0	\$0					
Heaps	\$0	\$0	\$0	\$0					
Waste Rock Dumps	\$0	\$0	\$0	\$0					
Landfills	\$1,547	\$4,623	\$0	\$6,170					
Tailings	\$0	\$0	\$0	\$0					
Foundation & Buildings Areas	\$454	\$936	\$0	\$1,390					
Yards, Etc.	\$1,362	\$4,036	\$0	\$5,398					
Drainage & Sediment Control	\$0	\$0	\$0	\$0					
Generic Material Hauling	\$46,014	\$115,931	\$0	\$161,945					
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0					
Other**	\$0	\$0	\$0	\$0					
Subtotal	\$73,127	\$189,684	\$0	\$262,811					
Mod/Demob If Included in Other User sheet	\$0	\$0	\$0	\$0					
Mod/Demob	\$0	\$0	\$0	\$0					
Subtotal "A"	\$73,127	\$189,684	\$0	\$262,811					
B. Revegetation/Stabilization									
	Labor <sup>(1)</sup>	Equipment <sup>(2)</sup>	Materials	Total					
Excavation	\$0	\$0	\$0	\$0					
Excavation Roads & Drill Pads	\$0	\$0	\$0	\$0					
Roads	\$261	\$1,958	\$2,632	\$4,851					
Well Abandonment				N/A					
Pits	\$0	\$0	\$0	\$0					
Quarries & Borrow Areas	\$1,095	\$9,064	\$7,401	\$17,560					
Underground Openings	\$0	\$0	\$0	\$0					
Process Ponds	\$0	\$0	\$0	\$0					
Heaps	\$0	\$0	\$0	\$0					
Waste Rock Dumps	\$66	\$497	\$729	\$1,292					
Landfills	\$0	\$0	\$0	\$0					
Tailings	\$0	\$0	\$0	\$0					
Foundation & Buildings Areas	\$0	\$0	\$0	\$0					
Yards, Etc.	\$0	\$0	\$0	\$0					
Drainage & Sediment Control	\$0	\$0	\$0	\$0					
Generic Material Hauling	\$1,086	\$8,145	\$17,230	\$26,461					
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0					
Other**	\$0	\$0	\$0	\$0					
Subtotal "B"	\$2,508	\$19,664	\$27,992	\$50,164					
C. Detoxification/Water Treatment/Disposal of Wastes**									
	Labor <sup>(1)</sup>	Equipment <sup>(2)</sup>	Materials	Total					
Process Ponds/Seduge				\$0					
Heaps				\$0					
Dumps (Waste & Landfill)				\$0					
Tailings				\$0					
Surplus Water Disposal				\$0					
Monitoring				\$0					
Miscellaneous				\$0					
Solid Waste - On Site	\$0		N/A	\$0					
Solid Waste - Off Site				\$0					
Hazardous Materials				\$0					
Hydrocarbon Contaminated Soils	\$0		\$0	\$0					
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0					
Other**	\$0	\$0	\$0	\$0					
Subtotal "C"	\$0	\$0	\$0	\$0					
D. Structure, Equipment and Facility Removal, and Misc.									
	Labor <sup>(1)</sup>	Equipment <sup>(2)</sup>	Materials	Total					
Foundation & Buildings Areas	\$20,332	\$14,430	\$0	\$34,762					
Other Demolition	\$739	\$503	\$0	\$1,242					
Equipment Removal	\$0	\$0	\$0	\$0					
Fence Removal	\$0	\$0	\$0	\$0					
Perce Installation	\$0	\$0	\$0	\$0					
Culvert Removal	\$2,860	\$1,115	\$0	\$3,975					
Pipe Removal	\$0	\$0	N/A	\$0					
Powerline Removal	\$0	\$0	\$0	\$0					
Transformer Removal	\$0	\$0	\$0	\$0					
Rip-rap, rock lining, gabions	\$0	\$0	\$0	\$0					
Other Misc. Costs	\$0	\$0	\$0	\$0					
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0					
Other**	\$0	\$0	\$0	\$0					
Subtotal "D"	\$23,931	\$16,048	\$0	\$39,979					
E. Monitoring									
	Labor <sup>(1)</sup>	Equipment <sup>(2)</sup>	Materials	Total					
Reclamation Monitoring and Maintenance	\$31,370	\$86,715	\$25,561	\$143,646					
Ground and Surface Water Monitoring	\$0	\$0	\$0	\$0					
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0					
Subtotal "E"	\$31,370	\$86,715	\$25,561	\$143,646					
F. Construction Management & Support									
	Labor	Equipment <sup>(2)</sup>	Materials	Total					
Construction Management	\$12,008	\$3,293	N/A	\$15,301					
Construction Support	\$0	\$2,119	\$0	\$2,119					
Road Maintenance	\$0	\$0	\$0	\$0					
Other User Costs (from Other User sheet)	\$0	\$0	\$0	\$0					
Other**	\$0	\$0	\$0	\$0					
Subtotal "F"	\$12,008	\$5,412	\$0	\$17,420					
Subtotal Operational & Maintenance Costs									
	Labor <sup>(1)</sup>	Equipment <sup>(2)</sup>	Materials <sup>(3)</sup>	Total					
Subtotal A through F	\$142,944	\$317,523	\$53,553	\$514,020					

\*\* Other Operator supplied costs - additional documentation required.



**Closure Cost Estimate  
Cost Summary**

**Project Name: Reclamation Financial Guarantee**  
**Project Date: 09/26/2014**  
**Model Version: Version 1.4.1**  
**File Name: UTU70687\_FinancialGuarantee\_NielsonSS.xlsm**

<b>Indirect Costs</b>		<b>Include?</b>	<b>Total</b>
1. Engineering, Design and Construction (ED&C) Plan (7)			\$30,841
2. Contingency (8)			\$41,122
3. Insurance (9)	\$2,144		\$2,144
4. Performance Bond (10)			\$18,421
5. Contractor Profit (11)			\$51,402
6. Contract Administration (12)			\$51,402
7. Government Indirect Cost (13)			\$10,794
<b>Subtotal Add-On Costs</b>			<b>\$203,126</b>
Total Indirect Costs as % of Direct Cost			40%
<b>GRAND TOTAL</b>			<b>\$717,146</b>

<b>Administrative Cost Rates (%)</b>				
<b>Cost Ranges for Indirect Cost Percentages</b>				
	<=	<=	>	
1. Engineering, Design and Construction (ED&C) Plan (7)				Small Plan
Variable Rate	\$100,000	\$25,000,000	\$25,000,000	4%
	8%	<=	<=	0%
2. Contingency (8)				
Variable Rate	\$500,000	\$5,000,000	\$50,000,000	Small Plan
	10%	8%	6%	0%
3. Insurance (9)				
4. Bond (10)				
5. Contractor Profit (11)				
		1.5% of labor costs		
		3.0% of the O&M costs if O&M costs are >\$100,000		
		10% of the O&M costs		
6. Contract Administration (12)				
Variable Rate	<=	<=	<=	
	\$1,000,000	\$25,000,000	\$25,000,000	
	10%	8%	6%	
7. BLM Indirect Costs				
		21% of contract administration		

RECLAMATION COST ESTIMATION SUMMARY SHEET FOOTNOTES  
NOTE :



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